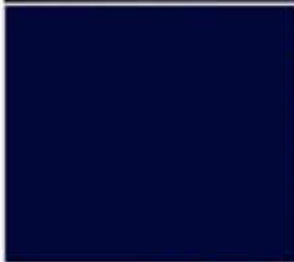


# Reciprocator

FLAT PANEL PRODUCTION (ADVANCED EQUIPMENT DIVISION)

***Uniform Laminate - Automatic Rollout***  
***Dual or Single Head Configuration***  
***Heavy Duty Carriage - Nearly Instant Reversal***



# Reciprocator

FLAT PANEL PRODUCTION (ADVANCED EQUIPMENT DIVISION)



Now you can benefit from complete automation of FRP/GRP panels. The Magnum Venus Plastech **Reciprocator** is designed for automatic high-volume production of flat panels or sheets using a chopper and/or gelcoat gun. The gun traverses over a moving mold or table, distributing catalyzed resin & chopped fiberglass evenly on the surface of a carrier film, such as mylar or prepped mold surface. The M.V.P. patented FIT® system reduces waste & fuming during the fully automated sprayup & rollout processes.

**Precision means savings:** The heavy duty carriage reverses virtually instantly, with only a 7-millisecond reverse time to recover the normal gunhead speed. This feature requires no gun triggering, allowing for uniform thickness which contributes to the Reciprocator's high production rate. Your result: parts are produced efficiently with uniform laminates every time.

**Automatic Rollout:** Using four strands of roving with the High-Volume Chopper Gun, the M.V.P. Reciprocator can achieve outputs of up to 2700 feet<sup>2</sup> (250m<sup>2</sup>) per hour, with a 1/16 inch (1.6 mm) laminate at 40% glass content. At 1/8 inch (3.2 mm) laminate, an output of 1350 feet<sup>2</sup> (125m<sup>2</sup>) per hour is possible\*.

**The M.V.P. Reciprocator** system can be designed for various stages of the application process, from gelcoat application to heat curing of gelcoat to resin/fiberglass application to automatically consolidating the glass/resin layer to expel trapped air. Many of the world's largest truck panel makers use the M.V.P. system to make top-quality panels without the use of expensive presses. We can meet your laminate schedule needs by creating a custom-made assembly line. We can provide gelcoat layers, oven(s), chop layers, impregnated cloth layers, filler layers, vacuum bagging and more. Call today to learn how we can create your reciprocator solution!

## Specifications:

### OUTPUT CAPABILITIES:

Gelcoat: 5400 ft.<sup>2</sup>/hour (500 m<sup>2</sup>/hour)  
Laminate: 2700 ft.<sup>2</sup>/hour (250 m<sup>2</sup>/hour),  
1/16 in. (1.6 mm), 30% glass

### PHYSICAL EQUIPMENT SPECS:

Standard Width: 8 ft. (2.44 m)  
Optional Width: up to 16 ft. (4.88 m)\*\*

\*\* For configurations such as: single-head gelcoater, with or w/o heat, single-head chopper; high-volume, 4-strand chopper; gelcoater & chopper, dual-head combination.

### ELECTRICAL REQUIREMENTS:

220 V, single phase, 30 amps, 60 cycle  
220 V, three phase, 30 amps, 60 cycle

### AIR REQUIREMENTS:

80 CFM (2.3 m<sup>3</sup>) per min.; 100 psi (7kg per cm<sup>2</sup>)

### SYSTEM INCLUDES:

- Pumping systems
- Hooded fume collectors with filters & 3/4 HP exhaust fan
- High-volume pumping systems have catalyst ratios of 0.5% to 1.25%; 0.5% to 3% with gelcoat pump system.
- *Ductwork not included*

### SHIPPING INFORMATION:

Standard Unit

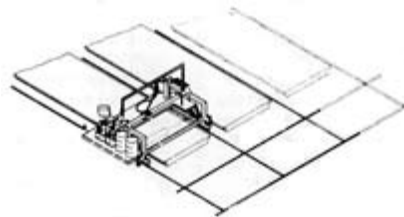
Width: 19 ft. (5.8 m)  
Length: 10 ft. (3.1 m)  
Height: 11 ft. (3.4 m)



optional oven system



plant layout



traveling reciprocator



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